

SEQUENCE LISTING



<110> Presta, Leonard G.
Namenuk, Angela K.

<120> NON-HUMAN PRIMATE Fc RECEPTORS AND METHODS OF USE

<130> 11669.92US01

<140> US 10/027,736

<141> 2001-12-19

<160> 72

<170> PatentIn version 3.1

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<212> DNA

<213> Cynomolgus

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<222> (1)..(1074)

<223> FcgammaRI alpha-chain

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<223> FcgammaRIIIA alpha-chain

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 <223> FcgammaRI <chain

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 35 40 45
 Pro Gly Ser Ser Ser Thr Gln Trp Phe Leu Asn Gly Thr Ala Thr Gln
 50 55 60
 Thr Ser Thr Pro Ser Tyr Arg Ile Thr Ser Ala Ser Val Lys Asp Ser
 65 70 75 80
 Gly Glu Tyr Arg Cys Gln Arg Gly Pro Ser Gly Arg Ser Asp Pro Ile
 85 90 95
 Gln Leu Glu Ile His Arg Asp Trp Leu Leu Leu Gln Val Ser Ser Arg
 100 105 110
 Val Phe Thr Glu Gly Glu Pro Leu Ala Leu Arg Cys His Ala Trp Lys
 115 120 125
 Asp Lys Leu Val Tyr Asn Val Leu Tyr Tyr Gln Asn Gly Lys Ala Phe
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 Lys Phe Phe Tyr Arg Asn Ser Gln Leu Thr Ile Leu Lys Thr Asn Ile

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Thr	Ser	Ala	Gly	Val	Ser	Val	Thr	Val	Lys	Glu	Leu	Phe	Pro	Ala	Pro
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Val	Leu	Asn	Ala	Ser	Val	Thr	Ser	Pro	Leu	Leu	Glu	Gly	Asn	Leu	Val
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Thr	Leu	Ser	Cys	Glu	Thr	Lys	Leu	Leu	Leu	Gln	Arg	Pro	Gly	Leu	Gln
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Leu	Tyr	Phe	Ser	Phe	Tyr	Met	Gly	Ser	Lys	Thr	Leu	Arg	Gly	Arg	Asn
225					230					235					240
Thr	Ser	Ser	Glu	Tyr	Gln	Ile	Leu	Thr	Ala	Arg	Arg	Glu	Asp	Ser	Gly
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Phe	Tyr	Trp	Cys	Glu	Ala	Thr	Thr	Glu	Asp	Gly	Asn	Val	Leu	Lys	Arg
			260					265					270		
Ser	Pro	Glu	Leu	Glu	Leu	Gln	Val	Leu	Gly	Leu	Gln	Leu	Pro	Thr	Pro
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Val	Asn	Thr	Val	Leu	Trp	Val	Thr	Ile	Arg	Lys	Glu	Leu	Lys	Arg	Lys
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Lys	Lys	Trp	Asn	Leu	Glu	Ile	Ser	Leu	Asp	Ser	Ala	His	Glu	Lys	Lys
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Val	Thr	Ser	Ser	Leu	Gln	Glu	Asp	Arg	His	Leu	Glu	Glu	Glu	Leu	Lys
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Ser	Gln	Glu	Gln	Glu											
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 <223> FcgammaRI alpha-chain

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Val	Phe	Gln	Glu	Glu	Thr	Val	Thr	Leu	His	Cys	Glu	Val	Leu	His	Leu
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Pro	Gly	Ser	Ser	Ser	Thr	Gln	Trp	Phe	Leu	Asn	Gly	Thr	Ala	Thr	Gln
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Thr	Ser	Thr	Pro	Ser	Tyr	Arg	Ile	Thr	Ser	Ala	Ser	Val	Asn	Asp	Ser
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Gly	Glu	Tyr	Arg	Cys	Gln	Arg	Gly	Leu	Ser	Gly	Arg	Ser	Asp	Pro	Ile
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Gln	Leu	Glu	Ile	His	Arg	Gly	Trp	Leu	Leu	Leu	Gln	Val	Ser	Ser	Arg
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Val	Phe	Thr	Glu	Gly	Glu	Pro	Leu	Ala	Leu	Arg	Cys	His	Ala	Trp	Lys
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Thr Leu Ser Cys Glu Thr Lys Leu Leu Leu Gln Arg Pro Gly Leu Gln
 210 215 220

Leu Tyr Phe Ser Phe Tyr Met Gly Ser Lys Thr Leu Arg Gly Arg Asn
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Thr Ser Ser Glu Tyr Gln Ile Leu Thr Ala Arg Arg Glu Asp Ser Gly
 245 250 255

Leu Tyr Trp Cys Glu Ala Ala Thr Glu Asp Gly Asn Val Leu Lys Arg
 260 265 270

Ser Pro Glu Leu Glu Leu Gln Val Leu Gly Leu Gln Leu Pro Thr Pro
 275 280 285

Val Trp Phe His Val Leu Phe Tyr Leu Ala Val Gly Ile Met Phe Leu
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Val Asn Thr Val Leu Trp Val Thr Ile Arg Lys Glu Leu Lys Arg Lys
 305 310 315 320

Lys Lys Trp Asp Leu Glu Ile Ser Leu Asp Ser Gly His Glu Lys Lys
 325 330 335

Val Thr Ser Ser Leu Gln Glu Asp Arg His Leu Glu Glu Glu Leu Lys
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Cys Gln Glu Gln Lys Glu Glu Gln Leu Gln Glu Gly Val His Arg Lys
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Glu Pro Gln Gly Ala Thr
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 <223> FcgammaRI/III gamma-chain

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Phe Leu Tyr Gly Ile Val Leu Thr Leu Leu Tyr Cys Arg Leu Lys Ile
35 40 45

Gln Val Arg Lys Ala Ala Ile Ala Ser Tyr Glu Lys Ser Asp Gly Val
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His Glu Lys Pro Pro Gln
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<223> FcgammaRI/III gamma-chain

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1 5 10 15

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20 25 30

Phe Leu Tyr Gly Ile Val Leu Thr Leu Leu Tyr Cys Arg Leu Lys Ile
35 40 45

Gln Val Arg Lys Ala Ala Ile Thr Ser Tyr Glu Lys Ser Asp Gly Val
50 55 60

Tyr Thr Gly Leu Ser Thr Arg Asn Gln Glu Thr Tyr Glu Thr Leu Lys
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His Glu Lys Pro Pro Gln
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Thr Val Leu Leu Leu Leu Ala Ser Ala Asp Ser Gln Thr Ala Pro Pro
 20 25 30

Lys Ala Val Leu Lys Leu Glu Pro Pro Trp Ile Asn Val Leu Arg Glu
 35 40 45

Asp Ser Val Thr Leu Thr Cys Gly Gly Ala His Ser Pro Asp Ser Asp
 50 55 60

Ser Thr Gln Trp Phe His Asn Gly Asn Arg Ile Pro Thr His Thr Gln
 65 70 75 80

Pro Ser Tyr Arg Phe Lys Ala Asn Asn Asn Asp Ser Gly Glu Tyr Arg
 85 90 95

Cys Gln Thr Gly Arg Thr Ser Leu Ser Asp Pro Val His Leu Thr Val
 100 105 110

Leu Ser Glu Trp Leu Ala Leu Gln Thr Pro His Leu Glu Phe Arg Glu
 115 120 125

Gly Glu Thr Ile Met Leu Arg Cys His Ser Trp Lys Asp Lys Pro Leu
 130 135 140

Ile Lys Val Thr Phe Phe Gln Asn Gly Ile Ala Lys Lys Phe Ser His
 145 150 155 160

Met Asp Pro Asn Phe Ser Ile Pro Gln Ala Asn His Ser His Ser Gly
 165 170 175

Asp Tyr His Cys Thr Gly Asn Ile Gly Tyr Thr Pro Tyr Ser Ser Lys
 180 185 190

Pro Val Thr Ile Thr Val Gln Val Pro Ser Val Gly Ser Ser Ser Pro
 195 200 205

Met Gly Ile Ile Val Ala Val Val Thr Gly Ile Ala Val Ala Ala Ile
 210 215 220

Val Ala Ala Val Val Ala Leu Ile Tyr Cys Arg Lys Lys Arg Ile Ser
 225 230 235 240

Ala Asn Ser Thr Asp Pro Val Lys Ala Ala Arg Phe Glu Pro Leu Gly
 245 250 255

Arg Gln Thr Ile Ala Leu Arg Lys Arg Gln Leu Glu Glu Thr Asn Asn
260 265 270

Asp Tyr Glu Thr Ala Asp Gly Gly Tyr Met Thr Leu Asn Pro Arg Ala
275 280 285

Pro Thr Asp Asp Asp Arg Asn Ile Tyr Leu Thr Leu Ser Pro Asn Asp
290 295 300

Tyr Asp Asn Ser Asn Asn
305 310

<210> 16
<211> 317
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<222> (1)..(317)
<223> FcgammaRIIA

<400> 16

Met Ala Met Glu Thr Gln Met Ser Gln Asn Val Cys Pro Arg Asn Leu
1 5 10 15

Trp Leu Leu Gln Pro Leu Thr Val Leu Leu Leu Leu Ala Ser Ala Asp
20 25 30

Ser Gln Ala Ala Ala Pro Pro Lys Ala Val Leu Lys Leu Glu Pro Pro
35 40 45

Trp Ile Asn Val Leu Gln Glu Asp Ser Val Thr Leu Thr Cys Gln Gly
50 55 60

Ala Arg Ser Pro Glu Ser Asp Ser Ile Gln Trp Phe His Asn Gly Asn
65 70 75 80

Leu Ile Pro Thr His Thr Gln Pro Ser Tyr Arg Phe Lys Ala Asn Asn
85 90 95

Asn Asp Ser Gly Glu Tyr Thr Cys Gln Thr Gly Gln Thr Ser Leu Ser
100 105 110

Asp Pro Val His Leu Thr Val Leu Ser Glu Trp Leu Val Leu Gln Thr
115 120 125

Pro His Leu Glu Phe Gln Glu Gly Glu Thr Ile Met Leu Arg Cys His
 130 135 140

Ser Trp Lys Asp Lys Pro Leu Val Lys Val Thr Phe Phe Gln Asn Gly
 145 150 155 160

Lys Ser Gln Lys Phe Ser Arg Leu Asp Pro Thr Phe Ser Ile Pro Gln
 165 170 175

Ala Asn His Ser His Ser Gly Asp Tyr His Cys Thr Gly Asn Ile Gly
 180 185 190

Tyr Thr Leu Phe Ser Ser Lys Pro Val Thr Ile Thr Val Gln Val Pro
 195 200 205

Ser Met Gly Ser Ser Ser Pro Met Gly Ile Ile Val Ala Val Val Ile
 210 215 220

Ala Thr Ala Val Ala Ala Ile Val Ala Ala Val Val Ala Leu Ile Tyr
 225 230 235 240

Cys Arg Lys Lys Arg Ile Ser Ala Asn Ser Thr Asp Pro Val Lys Ala
 245 250 255

Ala Gln Phe Glu Pro Pro Gly Arg Gln Met Ile Ala Ile Arg Lys Arg
 260 265 270

Gln Leu Glu Glu Thr Asn Asn Asp Tyr Glu Thr Ala Asp Gly Gly Tyr
 275 280 285

Met Thr Leu Asn Pro Arg Ala Pro Thr Asp Asp Asp Lys Asn Ile Tyr
 290 295 300

Leu Thr Leu Pro Pro Asn Asp His Val Asn Ser Asn Asn
 305 310 315

<210> 17
 <211> 316
 <212> PRT
 <213> Chimp

<220>
 <221> MISC_FEATURE
 <222> (1)..(316)
 <223> FcgammaRIIA

<400> 17

Met Ala Met Glu Thr Gln Met Ser Gln Asn Val Cys Pro Arg Asn Leu
1 5 10 15

Trp Leu Leu Gln Pro Leu Thr Val Leu Leu Leu Leu Ala Ser Ala Asp
20 25 30

Ser Gln Ala Ala Pro Pro Lys Ala Val Leu Lys Leu Glu Pro Pro Trp
35 40 45

Ile Asn Val Leu Gln Glu Asp Ser Val Thr Leu Thr Cys Arg Gly Ala
50 55 60

Arg Ser Pro Glu Ser Asp Ser Ile Gln Trp Phe His Asn Gly Asn Leu
65 70 75 80

Ile Pro Thr His Thr Gln Pro Ser Tyr Arg Phe Lys Ala Asn Asn Asn
85 90 95

Asp Ser Gly Glu Tyr Thr Cys Gln Thr Gly Gln Thr Ser Leu Ser Asp
100 105 110

Pro Val His Leu Thr Val Leu Ser Glu Trp Leu Val Leu Gln Thr Pro
115 120 125

His Leu Glu Phe Gln Glu Gly Glu Thr Ile Val Leu Arg Cys His Ser
130 135 140

Trp Lys Asp Lys Pro Leu Val Lys Val Thr Phe Phe Gln Asn Gly Lys
145 150 155 160

Ser Gln Lys Phe Ser His Leu Asp Pro Asn Leu Ser Ile Pro Gln Ala
165 170 175

Asn His Ser His Ser Gly Asp Tyr His Cys Thr Gly Asn Ile Gly Tyr
180 185 190

Thr Leu Phe Ser Ser Lys Pro Val Thr Ile Thr Val Gln Ala Pro Ser
195 200 205

Val Gly Ser Ser Ser Pro Val Gly Ile Ile Val Ala Val Val Ile Ala
210 215 220

Thr Ala Val Ala Ala Ile Val Ala Ala Val Val Ala Leu Ile Tyr Cys

225 230 235 240
 Arg Lys Lys Arg Ile Ser Ala Asn Ser Thr Asp Pro Val Lys Ala Ala
 245 250 255
 Gln Phe Glu Pro Pro Gly Arg Gln Met Ile Ala Ile Arg Lys Arg Gln
 260 265 270
 Leu Glu Glu Thr Asn Asn Asp Tyr Glu Thr Ala Asp Gly Gly Tyr Met
 275 280 285
 Thr Leu Asn Pro Arg Ala Pro Thr Asp Asp Asp Lys Asn Ile Tyr Leu
 290 295 300
 Thr Leu Pro Pro Asn Asp His Val Asn Ser Asn Asn
 305 310 315

 <210> 18
 <211> 294
 <212> PRT
 <213> Cynomolgus

 <220>
 <221> MISC_FEATURE
 <222> (1)..(294)
 <223> FcgammaRIIB

 <400> 18
 Met Gly Ile Leu Ser Phe Leu Pro Val Leu Ala Thr Glu Ser Asp Trp
 1 5 10 15
 Ala Asp Cys Lys Ser Ser Gln Pro Trp Gly His Met Leu Leu Trp Thr
 20 25 30
 Ala Val Leu Phe Leu Ala Pro Val Ala Gly Thr Pro Ala Ala Pro Pro
 35 40 45
 Lys Ala Val Leu Lys Leu Glu Pro Pro Trp Ile Asn Val Leu Arg Glu
 50 55 60
 Asp Ser Val Thr Leu Thr Cys Gly Gly Ala His Ser Pro Asp Ser Asp
 65 70 75 80
 Ser Thr Gln Trp Phe His Asn Gly Asn Leu Ile Pro Thr His Thr Gln
 85 90 95

Pro Ser Tyr Arg Phe Lys Ala Asn Asn Asn Asp Ser Gly Glu Tyr Arg
 100 105 110
 Cys Gln Thr Gly Arg Thr Ser Leu Ser Asp Pro Val His Leu Thr Val
 115 120 125
 Leu Ser Glu Trp Leu Ala Leu Gln Thr Pro His Leu Glu Phe Arg Glu
 130 135 140
 Gly Glu Thr Ile Leu Leu Arg Cys His Ser Trp Lys Asp Lys Pro Leu
 145 150 155 160
 Ile Lys Val Thr Phe Phe Gln Asn Gly Ile Ser Lys Lys Phe Ser His
 165 170 175
 Met Asn Pro Asn Phe Ser Ile Pro Gln Ala Asn His Ser His Ser Gly
 180 185 190
 Asp Tyr His Cys Thr Gly Asn Ile Gly Tyr Thr Pro Tyr Ser Ser Lys
 195 200 205
 Pro Val Thr Ile Thr Val Gln Val Pro Ser Met Gly Ser Ser Ser Pro
 210 215 220
 Ile Gly Ile Ile Val Ala Val Val Thr Gly Ile Ala Val Ala Ala Ile
 225 230 235 240
 Val Ala Ala Val Val Ala Leu Ile Tyr Cys Arg Lys Lys Arg Ile Ser
 245 250 255
 Ala Asn Pro Thr Asn Pro Asp Glu Ala Asp Lys Val Gly Ala Glu Asn
 260 265 270
 Thr Ile Thr Tyr Ser Leu Leu Met His Pro Asp Ala Leu Glu Glu Pro
 275 280 285
 Asp Asp Gln Asn Arg Val
 290

<210> 19
 <211> 291
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> MISC_FEATURE
 <222> (1)..(291)

<223> FcgammaRIIB

<400> 19

Met Gly Ile Leu Ser Phe Leu Pro Val Leu Ala Thr Glu Ser Asp Trp
1 5 10 15

Ala Asp Cys Lys Ser Pro Gln Pro Trp Gly His Met Leu Leu Trp Thr
20 25 30

Ala Val Leu Phe Leu Ala Pro Val Ala Gly Thr Pro Ala Ala Pro Pro
35 40 45

Lys Ala Val Leu Lys Leu Glu Pro Gln Trp Ile Asn Val Leu Gln Glu
50 55 60

Asp Ser Val Thr Leu Thr Cys Arg Gly Thr His Ser Pro Glu Ser Asp
65 70 75 80

Ser Ile Gln Trp Phe His Asn Gly Asn Leu Ile Pro Thr His Thr Gln
85 90 95

Pro Ser Tyr Arg Phe Lys Ala Asn Asn Asn Asp Ser Gly Glu Tyr Thr
100 105 110

Cys Gln Thr Gly Gln Thr Ser Leu Ser Asp Pro Val His Leu Thr Val
115 120 125

Leu Ser Glu Trp Leu Val Leu Gln Thr Pro His Leu Glu Phe Gln Glu
130 135 140

Gly Glu Thr Ile Val Leu Arg Cys His Ser Trp Lys Asp Lys Pro Leu
145 150 155 160

Val Lys Val Thr Phe Phe Gln Asn Gly Lys Ser Lys Lys Phe Ser Arg
165 170 175

Ser Asp Pro Asn Phe Ser Ile Pro Gln Ala Asn His Ser His Ser Gly
180 185 190

Asp Tyr His Cys Thr Gly Asn Ile Gly Tyr Thr Leu Tyr Ser Ser Lys
195 200 205

Pro Val Thr Ile Thr Val Gln Ala Pro Ser Ser Ser Pro Met Gly Ile
210 215 220

Ile Val Ala Val Val Thr Gly Ile Ala Val Ala Ala Ile Val Ala Ala
225 230 235 240

Val Val Ala Leu Ile Tyr Cys Arg Lys Lys Arg Ile Ser Ala Asn Pro
245 250 255

Thr Asn Pro Asp Glu Ala Asp Lys Val Gly Ala Glu Asn Thr Ile Thr
260 265 270

Tyr Ser Leu Leu Met His Pro Asp Ala Leu Glu Glu Pro Asp Asp Gln
275 280 285

Asn Arg Ile
290

<210> 20
<211> 254
<212> PRT
<213> Cynomolgus

<220>
<221> MISC_FEATURE
<222> (1)..(254)
<223> FcgammaRIIIA

<400> 20

Met Trp Gln Leu Leu Leu Pro Thr Ala Leu Leu Leu Leu Val Ser Ala
1 5 10 15

Gly Met Arg Ala Glu Asp Leu Pro Lys Ala Val Val Phe Leu Glu Pro
20 25 30

Gln Trp Tyr Arg Val Leu Glu Lys Asp Arg Val Thr Leu Lys Cys Gln
35 40 45

Gly Ala Tyr Ser Pro Glu Asp Asn Ser Thr Arg Trp Phe His Asn Glu
50 55 60

Ser Leu Ile Ser Ser Gln Thr Ser Ser Tyr Phe Ile Ala Ala Ala Arg
65 70 75 80

Val Asn Asn Ser Gly Glu Tyr Arg Cys Gln Thr Ser Leu Ser Thr Leu
85 90 95

Ser Asp Pro Val Gln Leu Glu Val His Ile Gly Trp Leu Leu Leu Gln
100 105 110

Ala Pro Arg Trp Val Phe Lys Glu Glu Glu Ser Ile His Leu Arg Cys
 115 120 125

His Ser Trp Lys Asn Thr Leu Leu His Lys Val Thr Tyr Leu Gln Asn
 130 135 140

Gly Lys Gly Arg Lys Tyr Phe His Gln Asn Ser Asp Phe Tyr Ile Pro
 145 150 155 160

Lys Ala Thr Leu Lys Asp Ser Gly Ser Tyr Phe Cys Arg Gly Leu Ile
 165 170 175

Gly Ser Lys Asn Val Ser Ser Glu Thr Val Asn Ile Thr Ile Thr Gln
 180 185 190

Asp Leu Ala Val Ser Ser Ile Ser Ser Phe Phe Pro Pro Gly Tyr Gln
 195 200 205

Val Ser Phe Cys Leu Val Met Val Leu Leu Phe Ala Val Asp Thr Gly
 210 215 220

Leu Tyr Phe Ser Met Lys Lys Ser Ile Pro Ser Ser Thr Arg Asp Trp
 225 230 235 240

Glu Asp His Lys Phe Lys Trp Ser Lys Asp Pro Gln Asp Lys
 245 250

<210> 21
 <211> 254
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (1)..(254)
 <223> FcgammaRIIIA

<400> 21

Met Trp Gln Leu Leu Leu Pro Thr Ala Leu Leu Leu Leu Val Ser Ala
 1 5 10 15

Gly Met Arg Thr Glu Asp Leu Pro Lys Ala Val Val Phe Leu Glu Pro
 20 25 30

Gln Trp Tyr Arg Val Leu Glu Lys Asp Ser Val Thr Leu Lys Cys Gln
 21

35					40					45					
Gly	Ala	Tyr	Ser	Pro	Glu	Asp	Asn	Ser	Thr	Gln	Trp	Phe	His	Asn	Glu
50						55				60					
Ser	Leu	Ile	Ser	Ser	Gln	Ala	Ser	Ser	Tyr	Phe	Ile	Asp	Ala	Ala	Thr
65					70					75					80
Val	Asp	Asp	Ser	Gly	Glu	Tyr	Arg	Cys	Gln	Thr	Asn	Leu	Ser	Thr	Leu
				85					90					95	
Ser	Asp	Pro	Val	Gln	Leu	Glu	Val	His	Ile	Gly	Trp	Leu	Leu	Leu	Gln
			100					105					110		
Ala	Pro	Arg	Trp	Val	Phe	Lys	Glu	Glu	Asp	Pro	Ile	His	Leu	Arg	Cys
		115					120					125			
His	Ser	Trp	Lys	Asn	Thr	Ala	Leu	His	Lys	Val	Thr	Tyr	Leu	Gln	Asn
	130					135					140				
Gly	Lys	Gly	Arg	Lys	Tyr	Phe	His	His	Asn	Ser	Asp	Phe	Tyr	Ile	Pro
145					150					155					160
Lys	Ala	Thr	Leu	Lys	Asp	Ser	Gly	Ser	Tyr	Phe	Cys	Arg	Gly	Leu	Phe
				165					170					175	
Gly	Ser	Lys	Asn	Val	Ser	Ser	Glu	Thr	Val	Asn	Ile	Thr	Ile	Thr	Gln
			180					185					190		
Gly	Leu	Ala	Val	Ser	Thr	Ile	Ser	Ser	Phe	Phe	Pro	Pro	Gly	Tyr	Gln
		195					200					205			
Val	Ser	Phe	Cys	Leu	Val	Met	Val	Leu	Leu	Phe	Ala	Val	Asp	Thr	Gly
	210					215					220				
Leu	Tyr	Phe	Ser	Val	Lys	Thr	Asn	Ile	Arg	Ser	Ser	Thr	Arg	Asp	Trp
225					230					235					240
Lys	Asp	His	Lys	Phe	Lys	Trp	Arg	Lys	Asp	Pro	Gln	Asp	Lys		
				245					250						

<210> 22
 <211> 933
 <212> DNA
 <213> Chimp

<220>
 <221> misc_feature
 <222> (1)..(933)
 <223> FcgammaRIIA

<400> 22
 atgtctcaga atgtatgtcc cagaaacctg tggctgcttc aaccattgac agttttgctg 60
 ctgctggctt ctgcagacag tcaagctgct cccccaaggg ctgtgctgaa acttgagccc 120
 ccgtggatca acgtgctcca ggaggactct gtgactctga catgccgggg ggctcgcagc 180
 cctgagagcg actccattca gtggttccac aatgggaatc tcatccccac ccacacgcag 240
 cccagctaca ggttcaaggc caacaacaat gacagcgggg agtacacgtg ccagactggc 300
 cagaccagcc tcagcgaccc tgtgcatctg actgtgcttt ccgaatggct ggtgctccag 360
 acccctcacc tggagttcca ggaggagaa accatcgtgc tgaggtgcca cagctggaag 420
 gacaagcctc tgggtcaaggc cacattcttc cagaatggaa aatcccagaa attctcccat 480
 ttggatccca acctctccat cccacaagca aaccacagtc acagtgggtga ttaccactgc 540
 acaggaaaca taggctacac gctgttctca tccaagcctg tgaccatcac tgtccaagcg 600
 cccagcgtgg gcagctcttc accagtgggg atcattgtgg ctgtgggtcat tgcgactgct 660
 gtagcagcca ttgttctgctc tgtagtggcc ttgatctact gcaggaaaaa gcggatttca 720
 gccaatcca ctgatcctgt gaaggctgcc caatttgagc cacctggacg tcaaatgatt 780
 gccatcagaa agagacaact tgaagaaacc aacaatgact atgaaacagc tgacggcggc 840
 tacatgactc tgaacccagc ggcacctact gacgatgata aaaacatcta cctgactctt 900
 cctcccaacg accatgtcaa cagtaataac taa 933

<210> 23
 <211> 360
 <212> DNA
 <213> Cynomolgus

<220>
 <221> misc_feature
 <222> (1)..(360)
 <223> B-2 microglobulin

<400> 23
 atgtctccct cagtggcett agccgtgctg gcgctactct ctctttctgg cctggaggct 60
 atccagcgta ctccaaagat tcaggtttac tcacgccatc caccagagaa tggaaagcca 120
 aatttcctga attgctatgt gtctggattt catccatctg atattgaagt tgacttactg 180
 aagaatggag agaaaatggg aaaagtggag cattcagact tgtctttcag caaagactgg 240

tctttctatc tcttgtacta cactgaattc accccaatg aaaaagatga gtatgcctgc 300
 cgtgtgaacc atgtgacttt gtcagggccc aggacagtta agtgggatcg agacatgtaa 360

<210> 24
 <211> 360
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(360)
 <223> B-2 microglobulin

<400> 24
 atgtctcgct ccgtggcctt agctgtgctc gcgctactct ctctttctgg cctggaggct 60
 atccagcgta ctccaaagat tcaggtttac tcacgtcatc cagcagagaa tggaaagtca 120
 aatttcctga attgctatgt gtctggggtt catccatccg acattgaagt tgacttactg 180
 aagaatggag agagaattga aaaagtggag cattcagact tgtctttcag caaggactgg 240
 tctttctatc tcttgtacta cactgaattc accccactg aaaaagatga gtatgcctgc 300
 cgtgtgaacc atgtgacttt gtcacagccc aagatagtta agtgggatcg agacatgtaa 360

<210> 25
 <211> 119
 <212> PRT
 <213> Cynomolgus

<220>
 <221> MISC_FEATURE
 <222> (1)..(119)
 <223> Beta-2 microglobulin

<400> 25

Met Ser Pro Ser Val Ala Leu Ala Val Leu Ala Leu Leu Ser Leu Ser
 1 5 10 15

Gly Leu Glu Ala Ile Gln Arg Thr Pro Lys Ile Gln Val Tyr Ser Arg
 20 25 30

His Pro Pro Glu Asn Gly Lys Pro Asn Phe Leu Asn Cys Tyr Val Ser
 35 40 45

Gly Phe His Pro Ser Asp Ile Glu Val Asp Leu Leu Lys Asn Gly Glu
 50 55 60

Lys Met Gly Lys Val Glu His Ser Asp Leu Ser Phe Ser Lys Asp Trp

65 70 75 80
 Ser Phe Tyr Leu Leu Tyr Tyr Thr Glu Phe Thr Pro Asn Glu Lys Asp
 85 90 95
 Glu Tyr Ala Cys Arg Val Asn His Val Thr Leu Ser Gly Pro Arg Thr
 100 105 110
 Val Lys Trp Asp Arg Asp Met
 115

 <210> 26
 <211> 119
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> MISC_FEATURE
 <222> (1)..(119)
 <223> Beta-2 microglobulin

 <400> 26
 Met Ser Arg Ser Val Ala Leu Ala Val Leu Ala Leu Leu Ser Leu Ser
 1 5 10 15
 Gly Leu Glu Ala Ile Gln Arg Thr Pro Lys Ile Gln Val Tyr Ser Arg
 20 25 30
 His Pro Ala Glu Asn Gly Lys Ser Asn Phe Leu Asn Cys Tyr Val Ser
 35 40 45
 Gly Phe His Pro Ser Asp Ile Glu Val Asp Leu Leu Lys Asn Gly Glu
 50 55 60
 Arg Ile Glu Lys Val Glu His Ser Asp Leu Ser Phe Ser Lys Asp Trp
 65 70 75 80
 Ser Phe Tyr Leu Leu Tyr Tyr Thr Glu Phe Thr Pro Thr Glu Lys Asp
 85 90 95
 Glu Tyr Ala Cys Arg Val Asn His Val Thr Leu Ser Gln Pro Lys Ile
 100 105 110
 Val Lys Trp Asp Arg Asp Met
 115

<210> 27
 <211> 1098
 <212> DNA
 <213> Cynomolgus

<220>
 <221> misc_feature
 <222> (1)..(1098)
 <223> FcRn alpha-chain

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<400> 27
atgaggggtcc cgcggcctca gccctgggcg ctgggggtcc tgctctttct cctgcccggg      60
agcctgggcg cagaaagcca cctctccctc ctgtaccacc tcaccgcggt gtccctcgccc      120
gccccgggga cgctgcctt ctgggtgtcc ggctggctgg gcccgagca gtacctgagc      180
tacgacagcc tgagggggcca ggcgagccc tgtggagctt gggctctggga aaaccaagtg      240
tcctggtatt gggagaaaga gaccacagat ctgaggatca aggagaagct ctttctggaa      300
gctttcaaag ctttgggggg aaaaggcccc tacactctgc agggcctgct gggctgtgaa      360
ctgagccctg acaacacctc ggtgcccacc gccaaagtct ccctgaacgg cgaggagttc      420
atgaatttcg acctcaagca gggcacctgg ggtggggact ggcccgaggc cctggctatc      480
agtcagcggg ggcagcagca ggacaaggcg gccacaagg agctcacctt cctgctattc      540
tcctgcccac accggtctgc ggagcacctg gagagggggc gtggaaacct ggagtggaag      600
gagccccct ccatgcgcct gaaggcccga cccggcaacc ctggcttttc cgtgcttacc      660
tgacgcgcct tctccttcta ccctccggaa ctgcaactgc ggttcctgcg gaatgggatg      720
gccgctggca ccggacaggg cgacttcggc cccaacagtg acggctcctt ccacgcctcg      780
tcgtcactaa cagtcaaaag tggcgatgag caccactact gctgcatcgt gcagcacgcg      840
gggctggcgc agcccctcag ggtggagctg gaaactccag ccaagtcctc ggtgctcgtg      900
gtgggaatcg tcatcggtgt cttgctactc acggcagcgg ctgtaggagg agctctgttg      960
tgagaagga tgaggagtgg gctgccagcc cttggatct ccctccgtgg agatgacacc      1020
gggtccctcc tgcccacccc gggggaggcc caggatgctg attcgaagga tataaatgtg      1080
atcccagcca ctgcctga                                     1098
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<210> 28
 <211> 1098
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(1098)
 <223> FcRn alpha-chain

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<400> 28
atgggggtcc cgcggcctca gccctgggcg ctggggctcc tgctctttct ccttcctggg      60
agcctgggcg cagaaagcca cctctccctc ctgtaccacc ttaccgcggt gtcctcgctt      120
gccccgggga ctctgcctt ctgggtgtcc ggctggctgg gcccgagca gtacctgagc      180
tacaatagcc tgcggggcgga ggcgagccc tgtggagctt gggctctggga aaaccaggtg      240
tcctggtatt gggagaaaga gaccacagat ctgaggatca aggagaagct ctttctggaa      300
gctttcaaag ctttgggggg aaaaggtccc tacactctgc agggcctgct gggctgtgaa      360
ctgggccctg acaacacctc ggtgccacc gccaaattcg ccctgaacgg cgaggagttc      420
atgaatttcg acctcaagca gggcacctgg ggtggggact ggcccgaggc cctggctatc      480
agtcagcggg ggcagcagca ggacaaggcg gccacaagg agctcacctt cctgctattc      540
tcctgcccgc accgcctgcg ggagcacctg gagagggggc gcggaaacct ggagtggaag      600
gagccccctt ccatgcgctt gaaggcccga cccagcagcc ctggcttttc cgtgcttacc      660
tgcagcgctt tctccttcta ccctccggag ctgcaacttc ggttcctgcg gaatgggctg      720
gccgctggca ccggccaggg tgacttcggc cccaacagtg acggatcctt ccacgcctcg      780
tcgtcactaa cagtcaaaag tggcgatgag caccactact gctgcattgt gcagcacgcg      840
gggctggcgc agcccctcag ggtggagctg gaatctccag ccaagtcctc cgtgctcgtg      900
gtgggaatcg tcatcggtgt cttgctactc acggcagcgg ctgtaggagg agctctgttg      960
tgagaagga tgaggagtgg gctgccagcc ctttgatctt cccttcgtgg agacgacacc     1020
ggggtcctcc tgcccacccc aggggaggcc caggatgctg atttgaagga tgtaaagtgt     1080
attccagcca ccgcctga                                           1098

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<210> 29
<211> 365
<212> PRT
<213> Cynomolgus

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<220>
<221> MISC_FEATURE
<222> (1)..(365)
<223> FcRn (S3)

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<400> 29

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Met Arg Val Pro Arg Pro Gln Pro Trp Ala Leu Gly Leu Leu Leu Phe
1           5           10          15

```

```

Leu Leu Pro Gly Ser Leu Gly Ala Glu Ser His Leu Ser Leu Leu Tyr

```

20					25					30					
His	Leu	Thr	Ala	Val	Ser	Ser	Pro	Ala	Pro	Gly	Thr	Pro	Ala	Phe	Trp
	35						40					45			
Val	Ser	Gly	Trp	Leu	Gly	Pro	Gln	Gln	Tyr	Leu	Ser	Tyr	Asp	Ser	Leu
	50					55					60				
Arg	Gly	Gln	Ala	Glu	Pro	Cys	Gly	Ala	Trp	Val	Trp	Glu	Asn	Gln	Val
65						70					75				80
Ser	Trp	Tyr	Trp	Glu	Lys	Glu	Thr	Thr	Asp	Leu	Arg	Ile	Lys	Glu	Lys
				85					90					95	
Leu	Phe	Leu	Glu	Ala	Phe	Lys	Ala	Leu	Gly	Gly	Lys	Gly	Pro	Tyr	Thr
			100					105					110		
Leu	Gln	Gly	Leu	Leu	Gly	Cys	Glu	Leu	Ser	Pro	Asp	Asn	Thr	Ser	Val
		115					120					125			
Pro	Thr	Ala	Lys	Phe	Ala	Leu	Asn	Gly	Glu	Glu	Phe	Met	Asn	Phe	Asp
	130					135					140				
Leu	Lys	Gln	Gly	Thr	Trp	Gly	Gly	Asp	Trp	Pro	Glu	Ala	Leu	Ala	Ile
145						150					155				160
Ser	Gln	Arg	Trp	Gln	Gln	Gln	Asp	Lys	Ala	Ala	Asn	Lys	Glu	Leu	Thr
				165					170					175	
Phe	Leu	Leu	Phe	Ser	Cys	Pro	His	Arg	Leu	Arg	Glu	His	Leu	Glu	Arg
			180					185					190		
Gly	Arg	Gly	Asn	Leu	Glu	Trp	Lys	Glu	Pro	Pro	Ser	Met	Arg	Leu	Lys
		195					200					205			
Ala	Arg	Pro	Gly	Asn	Pro	Gly	Phe	Ser	Val	Leu	Thr	Cys	Ser	Ala	Phe
	210					215					220				
Ser	Phe	Tyr	Pro	Pro	Glu	Leu	Gln	Leu	Arg	Phe	Leu	Arg	Asn	Gly	Met
225						230					235				240
Ala	Ala	Gly	Thr	Gly	Gln	Gly	Asp	Phe	Gly	Pro	Asn	Ser	Asp	Gly	Ser
				245					250					255	
Phe	His	Ala	Ser	Ser	Ser	Leu	Thr	Val	Lys	Ser	Gly	Asp	Glu	His	His

260 265 270
 Tyr Cys Cys Ile Val Gln His Ala Gly Leu Ala Gln Pro Leu Arg Val
 275 280 285
 Glu Leu Glu Thr Pro Ala Lys Ser Ser Val Leu Val Val Gly Ile Val
 290 295 300
 Ile Gly Val Leu Leu Leu Thr Ala Ala Ala Val Gly Gly Ala Leu Leu
 305 310 315 320
 Trp Arg Arg Met Arg Ser Gly Leu Pro Ala Pro Trp Ile Ser Leu Arg
 325 330 335
 Gly Asp Asp Thr Gly Ser Leu Leu Pro Thr Pro Gly Glu Ala Gln Asp
 340 345 350
 Ala Asp Ser Lys Asp Ile Asn Val Ile Pro Ala Thr Ala
 355 360 365
 <210> 30
 <211> 365
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> MISC_FEATURE
 <222> (1)..(365)
 <223> FcRn alpha-chain
 <400> 30
 Met Gly Val Pro Arg Pro Gln Pro Trp Ala Leu Gly Leu Leu Leu Phe
 1 5 10 15
 Leu Leu Pro Gly Ser Leu Gly Ala Glu Ser His Leu Ser Leu Leu Tyr
 20 25 30
 His Leu Thr Ala Val Ser Ser Pro Ala Pro Gly Thr Pro Ala Phe Trp
 35 40 45
 Val Ser Gly Trp Leu Gly Pro Gln Gln Tyr Leu Ser Tyr Asn Ser Leu
 50 55 60
 Arg Gly Glu Ala Glu Pro Cys Gly Ala Trp Val Trp Glu Asn Gln Val
 65 70 75 80

Ser Trp Tyr Trp Glu Lys Glu Thr Thr Asp Leu Arg Ile Lys Glu Lys
 85 90 95

Leu Phe Leu Glu Ala Phe Lys Ala Leu Gly Gly Lys Gly Pro Tyr Thr
 100 105 110

Leu Gln Gly Leu Leu Gly Cys Glu Leu Gly Pro Asp Asn Thr Ser Val
 115 120 125

Pro Thr Ala Lys Phe Ala Leu Asn Gly Glu Glu Phe Met Asn Phe Asp
 130 135 140

Leu Lys Gln Gly Thr Trp Gly Gly Asp Trp Pro Glu Ala Leu Ala Ile
 145 150 155 160

Ser Gln Arg Trp Gln Gln Gln Asp Lys Ala Ala Asn Lys Glu Leu Thr
 165 170 175

Phe Leu Leu Phe Ser Cys Pro His Arg Leu Arg Glu His Leu Glu Arg
 180 185 190

Gly Arg Gly Asn Leu Glu Trp Lys Glu Pro Pro Ser Met Arg Leu Lys
 195 200 205

Ala Arg Pro Ser Ser Pro Gly Phe Ser Val Leu Thr Cys Ser Ala Phe
 210 215 220

Ser Phe Tyr Pro Pro Glu Leu Gln Leu Arg Phe Leu Arg Asn Gly Leu
 225 230 235 240

Ala Ala Gly Thr Gly Gln Gly Asp Phe Gly Pro Asn Ser Asp Gly Ser
 245 250 255

Phe His Ala Ser Ser Ser Leu Thr Val Lys Ser Gly Asp Glu His His
 260 265 270

Tyr Cys Cys Ile Val Gln His Ala Gly Leu Ala Gln Pro Leu Arg Val
 275 280 285

Glu Leu Glu Ser Pro Ala Lys Ser Ser Val Leu Val Val Gly Ile Val
 290 295 300

Ile Gly Val Leu Leu Leu Thr Ala Ala Ala Val Gly Gly Ala Leu Leu
 305 310 315 320

Trp Arg Arg Met Arg Ser Gly Leu Pro Ala Pro Trp Ile Ser Leu Arg
325 330 335

Gly Asp Asp Thr Gly Val Leu Leu Pro Thr Pro Gly Glu Ala Gln Asp
340 345 350

Ala Asp Leu Lys Asp Val Asn Val Ile Pro Ala Thr Ala
355 360 365

<210> 31
<211> 33
<212> DNA
<213> Cynomolgus

<220>
<221> misc_feature
<222> (1)..(33)
<223> FcgammaRI - forward primer

<400> 31
caggtcaatc tctagactcc caccagcttg gag 33

<210> 32
<211> 33
<212> DNA
<213> Cynomolgus

<220>
<221> misc_feature
<222> (1)..(33)
<223> FcgammaRI - reverse primer

<400> 32
ggtcaactat aagcttggac ggtccagatc gat 33

<210> 33
<211> 34
<212> DNA
<213> Cynomolgus

<220>
<221> misc_feature
<222> (1)..(34)
<223> FcgammaRI-H6-GST - forward primer

<400> 33
caggtcaatc atcgatatgt gggtcttgac agct 34

<210> 34
<211> 51
<212> DNA

<213> Cynomolgus
 <220>
 <221> misc_feature
 <222> (1)..(51)
 <223> FcgammaRI-H6-GST - reverse primer

 <400> 34
 ggtcaactat gctagcatgg tgatgatggg ggtgccagac aggagttggt a 51

 <210> 35
 <211> 36
 <212> DNA
 <213> Cynomolgus

 <220>
 <221> misc_feature
 <222> (1)..(36)
 <223> FcgammaRIIB - forward primer

 <400> 35
 cagggtcaatc tctagaatgg gaatcctgtc attctt 36

 <210> 36
 <211> 34
 <212> DNA
 <213> Cynomolgus

 <220>
 <221> misc_feature
 <222> (1)..(34)
 <223> FcgammaRIIB - reverse primer

 <400> 36
 ggtcaactat aagcttctaa atacggttct ggtc 34

 <210> 37
 <211> 33
 <212> DNA
 <213> Cynomolgus

 <220>
 <221> misc_feature
 <222> (1)..(33)
 <223> FcgammaRIIB-H6-GST - forward primer

 <400> 37
 cagggtcaatc atcgatatgc ttctgtggac agc 33

 <210> 38
 <211> 34
 <212> DNA

<213> Cynomolgus
 <220>
 <221> misc_feature
 <222> (1)..(34)
 <223> FcgammaRIIB-H6-GST - reverse primer

 <400> 38
 ggtcaactat ggtgacctat cggtgaagag ctgc 34

 <210> 39
 <211> 33
 <212> DNA
 <213> Cynomolgus

 <220>
 <221> misc_feature
 <222> (1)..(33)
 <223> FcgammaRIIIA - forward primer

 <400> 39
 caggtcaatc tctagaatgt ggcagctgct cct 33

 <210> 40
 <211> 33
 <212> DNA
 <213> Cynomolgus

 <220>
 <221> misc_feature
 <222> (1)..(33)
 <223> FcgammaRIIIA - reverse primer

 <400> 40
 tcaactataa gcttatgttc agagatgctg ctg 33

 <210> 41
 <211> 33
 <212> DNA
 <213> Cynomolgus

 <220>
 <221> misc_feature
 <222> (1)..(33)
 <223> FcgammaRIIIA-H6-GST - forward primer

 <400> 41
 caggtcaatc tctagaatgt ggcagctgct cct 33

 <210> 42
 <211> 35
 <212> DNA

<213> Cynomolgus
 <220>
 <221> misc_feature
 <222> (1)..(35)
 <223> FcgammaRIIIA-H6-GST - reverse primer

 <400> 42
 ggtcaactat ggtcaccttg gtaccaggt ggaaa 35

 <210> 43
 <211> 45
 <212> DNA
 <213> Cynomolgus

 <220>
 <221> misc_feature
 <222> (1)..(45)
 <223> Fc gamma - forward primer

 <400> 43
 caggtcaatc atcgatgaat tcccacatg attccagcag tggtc 45

 <210> 44
 <211> 35
 <212> DNA
 <213> Cynomolgus

 <220>
 <221> misc_feature
 <222> (1)..(35)
 <223> Fc gamma - reverse primer

 <400> 44
 ggtcaactat aagcttctac tgtggtgggt tctca 35

 <210> 45
 <211> 32
 <212> DNA
 <213> Cynomolgus

 <220>
 <221> misc_feature
 <222> (1)..(32)
 <223> B-2 microglobulin - forward primer

 <400> 45
 caggtcaatc atcgattcgg gccgagatgt ct 32

 <210> 46
 <211> 34
 <212> DNA

<213> Cynomolgus
 <220>
 <221> misc_feature
 <222> (1)..(34)
 <223> B-2 microglobulin - reverse primer

 <400> 46
 ggtcaactat tctagattac atgtctcgat ccca 34

 <210> 47
 <211> 35
 <212> DNA
 <213> Cynomolgus

 <220>
 <221> misc_feature
 <222> (1)..(35)
 <223> FcgammaRIIA - forward primer

 <400> 47
 caggtcaatc tctagaatgt ctcagaatgt atgtc 35

 <210> 48
 <211> 37
 <212> DNA
 <213> Cynomolgus

 <220>
 <221> misc_feature
 <222> (1)..(37)
 <223> FcgammaRIIA - reverse primer

 <400> 48
 ggtcaactat aagcttttag ttattactgt tgtcata 37

 <210> 49
 <211> 35
 <212> DNA
 <213> Cynomolgus

 <220>
 <221> misc_feature
 <222> (1)..(35)
 <223> FcgammaRIIA-H6-GST - forward primer

 <400> 49
 caggtcaatc atcgatatgt ctcagaatgt atgtc 35

 <210> 50
 <211> 34
 <212> DNA

<213> Cynomolgus
<220>
<221> misc_feature
<222> (1)..(34)
<223> FcgammaRIIA-H6-GST - reverse primer

<400> 50
ggtcaactat ggtgacccat cggtgaagag ctgc

34

<210> 51
<211> 32
<212> DNA
<213> Cynomolgus

<220>
<221> misc_feature
<222> (1)..(32)
<223> FcRn - forward primer

<400> 51
caggtcaatc atcgataggt cgtcctctca gc

32

<210> 52
<211> 32
<212> DNA
<213> Cynomolgus

<220>
<221> misc_feature
<222> (1)..(32)
<223> FcRn - reverse primer

<400> 52
ggtcaactat gaattctcgg aatggcggat gg

32

<210> 53
<211> 32
<212> DNA
<213> Cynomolgus

<220>
<221> misc_feature
<222> (1)..(32)
<223> FcRn-H6 - forward primer

<400> 53
caggtcaatc atcgataggt cgtcctctca gc

32

<210> 54
<211> 55
<212> DNA

<213> Cynomolgus
 <220>
 <221> misc_feature
 <222> (1)..(55)
 <223> FcRn-H6 - reverse primer

 <400> 54
 ggtcaactat gaattcatgg tgatgatggt ggtgcgagga cttggctgga gtttc 55

 <210> 55
 <211> 33
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> PCR primer OF1

 <400> 55
 caggtcaatc tctagacagt ggttcacaa tgg 33

 <210> 56
 <211> 35
 <212> DNA
 <213> artificial sequence

 <220>
 <223> PCR primer OR1

 <400> 56
 ggtcaactat aagcttaaga gtcaggtaga tgttt 35

 <210> 57
 <211> 37
 <212> DNA
 <213> artificial sequence

 <220>
 <223> PCR primer OF2

 <400> 57
 caggtcaatc tctagaatac ataaccttat gtatcat 37

 <210> 58
 <211> 37
 <212> DNA
 <213> artificial sequence

 <220>
 <223> PCR primer OF3

 <400> 58
 caggtcaatc tctagatata gaataacatc cactttg 37

<210> 59
 <211> 32
 <212> DNA
 <213> artificial sequence

 <220>
 <223> PCR primer OR2

 <400> 59
 ggtcaactat aagcttcaga gtcatgtagc cg 32

 <210> 60
 <211> 35
 <212> DNA
 <213> artificial sequence

 <220>
 <223> PCR primer OF4

 <400> 60
 caggtcaatc tctagaattc cactgatacct gtgaa 35

 <210> 61
 <211> 37
 <212> DNA
 <213> artificial sequence

 <220>
 <223> PCT primer OR3

 <400> 61
 ggtcaactat aagcttgctt tatttgtgaa atttgtg 37

 <210> 62
 <211> 35
 <212> DNA
 <213> artificial sequence

 <220>
 <223> PCR primer OF5

 <400> 62
 caggtcaatc tctagaactt ggacgtcaaa cgatt 35

 <210> 63
 <211> 35
 <212> DNA
 <213> artificial sequence

 <220>
 <223> PCR primer OR4

 <400> 63
 ggtcaactat aagcttctgc aataaacaag ttggg 35

<210> 64
 <211> 365
 <212> PRT
 <213> Cynomolgus

<220>
 <221> MISC_FEATURE
 <222> (1)..(365)
 <223> FcRn (N3)

<400> 64

Met	Arg	Val	Pro	Arg	Pro	Gln	Pro	Trp	Ala	Leu	Gly	Leu	Leu	Leu	Phe
1				5					10					15	
Leu	Leu	Pro	Gly	Ser	Leu	Gly	Ala	Glu	Asn	His	Leu	Ser	Leu	Leu	Tyr
			20					25					30		
His	Leu	Thr	Ala	Val	Ser	Ser	Pro	Ala	Pro	Gly	Thr	Pro	Ala	Phe	Trp
		35					40					45			
Val	Ser	Gly	Trp	Leu	Gly	Pro	Gln	Gln	Tyr	Leu	Ser	Tyr	Asp	Ser	Leu
	50					55					60				
Arg	Gly	Gln	Ala	Glu	Pro	Cys	Gly	Ala	Trp	Val	Trp	Glu	Asn	Gln	Val
65					70					75					80
Ser	Trp	Tyr	Trp	Glu	Lys	Glu	Thr	Thr	Asp	Leu	Arg	Ile	Lys	Glu	Lys
				85					90					95	
Leu	Phe	Leu	Glu	Ala	Phe	Lys	Ala	Leu	Gly	Gly	Lys	Gly	Pro	Tyr	Thr
			100					105					110		
Leu	Gln	Gly	Leu	Leu	Gly	Cys	Glu	Leu	Ser	Pro	Asp	Asn	Thr	Ser	Val
		115					120					125			
Pro	Thr	Ala	Lys	Phe	Ala	Leu	Asn	Gly	Glu	Glu	Phe	Met	Asn	Phe	Asp
		130				135					140				
Leu	Lys	Gln	Gly	Thr	Trp	Gly	Gly	Asp	Trp	Pro	Glu	Ala	Leu	Ala	Ile
145					150					155					160
Ser	Gln	Arg	Trp	Gln	Gln	Gln	Asp	Lys	Ala	Ala	Asn	Lys	Glu	Leu	Thr
				165					170					175	
Phe	Leu	Leu	Phe	Ser	Cys	Pro	His	Arg	Leu	Arg	Glu	His	Leu	Glu	Arg
			180					185					190		

Gly Arg Gly Asn Leu Glu Trp Lys Glu Pro Pro Ser Met Arg Leu Lys
195 200 205

Ala Arg Pro Gly Asn Pro Gly Phe Ser Val Leu Thr Cys Ser Ala Phe
210 215 220

Ser Phe Tyr Pro Pro Glu Leu Gln Leu Arg Phe Leu Arg Asn Gly Met
225 230 235 240

Ala Ala Gly Thr Gly Gln Gly Asp Phe Gly Pro Asn Ser Asp Gly Ser
245 250 255

Phe His Ala Ser Ser Ser Leu Thr Val Lys Ser Gly Asp Glu His His
260 265 270

Tyr Cys Cys Ile Val Gln His Ala Gly Leu Ala Gln Pro Leu Arg Val
275 280 285

Glu Leu Glu Thr Pro Ala Lys Ser Ser Val Leu Val Val Gly Ile Val
290 295 300

Ile Gly Val Leu Leu Leu Thr Ala Ala Ala Val Gly Gly Ala Leu Leu
305 310 315 320

Trp Arg Arg Met Arg Ser Gly Leu Pro Ala Pro Trp Ile Ser Leu Arg
325 330 335

Gly Asp Asp Thr Gly Ser Leu Leu Pro Thr Pro Gly Glu Ala Gln Asp
340 345 350

Ala Asp Ser Lys Asp Ile Asn Val Ile Pro Ala Thr Ala
355 360 365

<210> 65
<211> 336
<212> PRT
<213> Cynomolgus

<220>
<221> MISC_FEATURE
<222> (1)..(336)
<223> FcgammaRI alpha-chain

<400> 65

Ala Val Ile Thr Leu Gln Pro Pro Trp Val Ser Val Phe Gln Glu Glu
1 5 10 15

Thr Val Thr Leu Gln Cys Glu Val Pro Arg Leu Pro Gly Ser Ser Ser
 20 25 30
 Thr Gln Trp Phe Leu Asn Gly Thr Ala Thr Gln Thr Ser Thr Pro Ser
 35 40 45
 Tyr Arg Ile Thr Ser Ala Ser Val Lys Asp Ser Gly Glu Tyr Arg Cys
 50 55 60
 Gln Arg Gly Pro Ser Gly Arg Ser Asp Pro Ile Gln Leu Glu Ile His
 65 70 75 80
 Arg Asp Trp Leu Leu Leu Gln Val Ser Ser Arg Val Phe Thr Glu Gly
 85 90 95
 Glu Pro Leu Ala Leu Arg Cys His Ala Trp Lys Asp Lys Leu Val Tyr
 100 105 110
 Asn Val Leu Tyr Tyr Gln Asn Gly Lys Ala Phe Lys Phe Phe Tyr Arg
 115 120 125
 Asn Ser Gln Leu Thr Ile Leu Lys Thr Asn Ile Ser His Asn Gly Ala
 130 135 140
 Tyr His Cys Ser Gly Met Gly Lys His Arg Tyr Thr Ser Ala Gly Val
 145 150 155 160
 Ser Val Thr Val Lys Glu Leu Phe Pro Ala Pro Val Leu Asn Ala Ser
 165 170 175
 Val Thr Ser Pro Leu Leu Glu Gly Asn Leu Val Thr Leu Ser Cys Glu
 180 185 190
 Thr Lys Leu Leu Leu Gln Arg Pro Gly Leu Gln Leu Tyr Phe Ser Phe
 195 200 205
 Tyr Met Gly Ser Lys Thr Leu Arg Gly Arg Asn Thr Ser Ser Glu Tyr
 210 215 220
 Gln Ile Leu Thr Ala Arg Arg Glu Asp Ser Gly Phe Tyr Trp Cys Glu
 225 230 235 240
 Ala Thr Thr Glu Asp Gly Asn Val Leu Lys Arg Ser Pro Glu Leu Glu
 245 250 255

Leu Gln Val Leu Gly Leu Gln Leu Pro Thr Pro Val Trp Leu His Val
260 265 270

Leu Phe Tyr Leu Val Val Gly Ile Met Phe Leu Val Asn Thr Val Leu
275 280 285

Trp Val Thr Ile Arg Lys Glu Leu Lys Arg Lys Lys Lys Trp Asn Leu
290 295 300

Glu Ile Ser Leu Asp Ser Ala His Glu Lys Lys Val Thr Ser Ser Leu
305 310 315 320

Gln Glu Asp Arg His Leu Glu Glu Glu Leu Lys Ser Gln Glu Gln Glu
325 330 335

<210> 66
<211> 282
<212> PRT
<213> Cynomolgus

<220>
<221> MISC_FEATURE
<222> (1)..(282)
<223> FcgammaRIIA

<400> 66

Thr Ala Pro Pro Lys Ala Val Leu Lys Leu Glu Pro Pro Trp Ile Asn
1 5 10 15

Val Leu Arg Glu Asp Ser Val Thr Leu Thr Cys Gly Gly Ala His Ser
20 25 30

Pro Asp Ser Asp Ser Thr Gln Trp Phe His Asn Gly Asn Arg Ile Pro
35 40 45

Thr His Thr Gln Pro Ser Tyr Arg Phe Lys Ala Asn Asn Asn Asp Ser
50 55 60

Gly Glu Tyr Arg Cys Gln Thr Gly Arg Thr Ser Leu Ser Asp Pro Val
65 70 75 80

His Leu Thr Val Leu Ser Glu Trp Leu Ala Leu Gln Thr Pro His Leu
85 90 95

Glu Phe Arg Glu Gly Glu Thr Ile Met Leu Arg Cys His Ser Trp Lys

100					105					110					
Asp	Lys	Pro	Leu	Ile	Lys	Val	Thr	Phe	Phe	Gln	Asn	Gly	Ile	Ala	Lys
		115					120					125			
Lys	Phe	Ser	His	Met	Asp	Pro	Asn	Phe	Ser	Ile	Pro	Gln	Ala	Asn	His
	130					135					140				
Ser	His	Ser	Gly	Asp	Tyr	His	Cys	Thr	Gly	Asn	Ile	Gly	Tyr	Thr	Pro
145					150					155					160
Tyr	Ser	Ser	Lys	Pro	Val	Thr	Ile	Thr	Val	Gln	Val	Pro	Ser	Val	Gly
				165					170					175	
Ser	Ser	Ser	Pro	Met	Gly	Ile	Ile	Val	Ala	Val	Val	Thr	Gly	Ile	Ala
			180					185					190		
Val	Ala	Ala	Ile	Val	Ala	Ala	Val	Val	Ala	Leu	Ile	Tyr	Cys	Arg	Lys
	195						200					205			
Lys	Arg	Ile	Ser	Ala	Asn	Ser	Thr	Asp	Pro	Val	Lys	Ala	Ala	Arg	Phe
	210					215					220				
Glu	Pro	Leu	Gly	Arg	Gln	Thr	Ile	Ala	Leu	Arg	Lys	Arg	Gln	Leu	Glu
225					230					235					240
Glu	Thr	Asn	Asn	Asp	Tyr	Glu	Thr	Ala	Asp	Gly	Gly	Tyr	Met	Thr	Leu
				245					250					255	
Asn	Pro	Arg	Ala	Pro	Thr	Asp	Asp	Asp	Arg	Asn	Ile	Tyr	Leu	Thr	Leu
			260					265					270		
Ser	Pro	Asn	Asp	Tyr	Asp	Asn	Ser	Asn	Asn						
		275					280								

<210> 67
 <211> 281
 <212> PRT
 <213> Chimp

<220>
 <221> MISC_FEATURE
 <222> (1)..(281)
 <223> FcgammaRIIA

<400> 67

Ala Pro Pro Lys Ala Val Leu Lys Leu Glu Pro Pro Trp Ile Asn Val
 1 5 10 15
 Leu Gln Glu Asp Ser Val Thr Leu Thr Cys Arg Gly Ala Arg Ser Pro
 20 25 30
 Glu Ser Asp Ser Ile Gln Trp Phe His Asn Gly Asn Leu Ile Pro Thr
 35 40 45
 His Thr Gln Pro Ser Tyr Arg Phe Lys Ala Asn Asn Asn Asp Ser Gly
 50 55 60
 Glu Tyr Thr Cys Gln Thr Gly Gln Thr Ser Leu Ser Asp Pro Val His
 65 70 75 80
 Leu Thr Val Leu Ser Glu Trp Leu Val Leu Gln Thr Pro His Leu Glu
 85 90 95
 Phe Gln Glu Gly Glu Thr Ile Val Leu Arg Cys His Ser Trp Lys Asp
 100 105 110
 Lys Pro Leu Val Lys Val Thr Phe Phe Gln Asn Gly Lys Ser Gln Lys
 115 120 125
 Phe Ser His Leu Asp Pro Asn Leu Ser Ile Pro Gln Ala Asn His Ser
 130 135 140
 His Ser Gly Asp Tyr His Cys Thr Gly Asn Ile Gly Tyr Thr Leu Phe
 145 150 155 160
 Ser Ser Lys Pro Val Thr Ile Thr Val Gln Ala Pro Ser Val Gly Ser
 165 170 175
 Ser Ser Pro Val Gly Ile Ile Val Ala Val Val Ile Ala Thr Ala Val
 180 185 190
 Ala Ala Ile Val Ala Ala Val Val Ala Leu Ile Tyr Cys Arg Lys Lys
 195 200 205
 Arg Ile Ser Ala Asn Ser Thr Asp Pro Val Lys Ala Ala Gln Phe Glu
 210 215 220
 Pro Pro Gly Arg Gln Met Ile Ala Ile Arg Lys Arg Gln Leu Glu Glu
 225 230 235 240

Thr Asn Asn Asp Tyr Glu Thr Ala Asp Gly Gly Tyr Met Thr Leu Asn
245 250 255

Pro Arg Ala Pro Thr Asp Asp Asp Lys Asn Ile Tyr Leu Thr Leu Pro
260 265 270

Pro Asn Asp His Val Asn Ser Asn Asn
275 280

<210> 68
<211> 252
<212> PRT
<213> Cynomolgus

<220>
<221> MISC_FEATURE
<222> (1)..(252)
<223> FcgammaaRIIB

<400> 68

Thr Pro Ala Ala Pro Pro Lys Ala Val Leu Lys Leu Glu Pro Pro Trp
1 5 10 15

Ile Asn Val Leu Arg Glu Asp Ser Val Thr Leu Thr Cys Gly Gly Ala
20 25 30

His Ser Pro Asp Ser Asp Ser Thr Gln Trp Phe His Asn Gly Asn Leu
35 40 45

Ile Pro Thr His Thr Gln Pro Ser Tyr Arg Phe Lys Ala Asn Asn Asn
50 55 60

Asp Ser Gly Glu Tyr Arg Cys Gln Thr Gly Arg Thr Ser Leu Ser Asp
65 70 75 80

Pro Val His Leu Thr Val Leu Ser Glu Trp Leu Ala Leu Gln Thr Pro
85 90 95

His Leu Glu Phe Arg Glu Gly Glu Thr Ile Leu Leu Arg Cys His Ser
100 105 110

Trp Lys Asp Lys Pro Leu Ile Lys Val Thr Phe Phe Gln Asn Gly Ile
115 120 125

Ser Lys Lys Phe Ser His Met Asn Pro Asn Phe Ser Ile Pro Gln Ala
130 135 140

Asn His Ser His Ser Gly Asp Tyr His Cys Thr Gly Asn Ile Gly Tyr
145 150 155 160

Thr Pro Tyr Ser Ser Lys Pro Val Thr Ile Thr Val Gln Val Pro Ser
165 170 175

Met Gly Ser Ser Ser Pro Ile Gly Ile Ile Val Ala Val Val Thr Gly
180 185 190

Ile Ala Val Ala Ala Ile Val Ala Ala Val Val Ala Leu Ile Tyr Cys
195 200 205

Arg Lys Lys Arg Ile Ser Ala Asn Pro Thr Asn Pro Asp Glu Ala Asp
210 215 220

Lys Val Gly Ala Glu Asn Thr Ile Thr Tyr Ser Leu Leu Met His Pro
225 230 235 240

Asp Ala Leu Glu Glu Pro Asp Asp Gln Asn Arg Val
245 250

<210> 69
<211> 234
<212> PRT
<213> Cynomolgus

<220>
<221> MISC_FEATURE
<222> (1)..(234)
<223> FcgammaRIIIA - Alpha chain

<400> 69

Glu Asp Leu Pro Lys Ala Val Val Phe Leu Glu Pro Gln Trp Tyr Arg
1 5 10 15

Val Leu Glu Lys Asp Arg Val Thr Leu Lys Cys Gln Gly Ala Tyr Ser
20 25 30

Pro Glu Asp Asn Ser Thr Arg Trp Phe His Asn Glu Ser Leu Ile Ser
35 40 45

Ser Gln Thr Ser Ser Tyr Phe Ile Ala Ala Ala Arg Val Asn Asn Ser
50 55 60

Gly Glu Tyr Arg Cys Gln Thr Ser Leu Ser Thr Leu Ser Asp Pro Val
65 70 75 80

Gln Leu Glu Val His Ile Gly Trp Leu Leu Leu Gln Ala Pro Arg Trp
85 90 95

Val Phe Lys Glu Glu Glu Ser Ile His Leu Arg Cys His Ser Trp Lys
100 105 110

Asn Thr Leu Leu His Lys Val Thr Tyr Leu Gln Asn Gly Lys Gly Arg
115 120 125

Lys Tyr Phe His Gln Asn Ser Asp Phe Tyr Ile Pro Lys Ala Thr Leu
130 135 140

Lys Asp Ser Gly Ser Tyr Phe Cys Arg Gly Leu Ile Gly Ser Lys Asn
145 150 155 160

Val Ser Ser Glu Thr Val Asn Ile Thr Ile Thr Gln Asp Leu Ala Val
165 170 175

Ser Ser Ile Ser Ser Phe Phe Pro Pro Gly Tyr Gln Val Ser Phe Cys
180 185 190

Leu Val Met Val Leu Leu Phe Ala Val Asp Thr Gly Leu Tyr Phe Ser
195 200 205

Met Lys Lys Ser Ile Pro Ser Ser Thr Arg Asp Trp Glu Asp His Lys
210 215 220

Phe Lys Trp Ser Lys Asp Pro Gln Asp Lys
225 230

<210> 70
<211> 99
<212> PRT
<213> Cynomolgus

<220>
<221> MISC_FEATURE
<222> (1)..(99)
<223> Beta-2 microglobulin

<400> 70

Ile Gln Arg Thr Pro Lys Ile Gln Val Tyr Ser Arg His Pro Pro Glu
1 5 10 15

Asn Gly Lys Pro Asn Phe Leu Asn Cys Tyr Val Ser Gly Phe His Pro

	20		25		30
Ser	Asp	Ile	Glu	Val	Asp
	35			Leu	Leu
				40	Lys
					Asn
					Gly
					Glu
					Lys
					45
					Met
					Gly
					Lys

Val	Glu	His	Ser	Asp	Leu
	50				Ser
					55
					Phe
					Ser
					Lys
					Asp
					Trp
					60
					Ser
					Phe
					Tyr
					Leu

Leu	Tyr	Tyr	Thr	Glu	Phe
	65				70
					Thr
					Pro
					Asn
					Glu
					Lys
					75
					Asp
					Glu
					Tyr
					Ala
					Cys
					80

Arg	Val	Asn	His	Val	Thr
				85	Leu
					Ser
					Gly
					Pro
					Arg
					90
					Thr
					Val
					Lys
					Trp
					95
					Asp

Arg Asp Met

<210> 71
 <211> 342
 <212> PRT
 <213> Cynomolgus

<220>
 <221> MISC_FEATURE
 <222> (1)..(342)
 <223> FcgammaRn alpha-chain (S3)

<400> 71

Ala	Glu	Ser	His	Leu	Ser
	1			5	Leu
					Leu
					Leu
					Tyr
					His
					Leu
					10
					Thr
					Ala
					Val
					Ser
					15
					Ser

Pro	Ala	Pro	Gly	Thr	Pro
			20		Ala
					Phe
					Trp
					25
					Val
					Ser
					Gly
					Trp
					30
					Leu
					Gly
					Pro

Gln	Gln	Tyr	Leu	Ser	Tyr
		35			Asp
					Ser
					Leu
					Arg
					Gly
					Gln
					45
					Ala
					Glu
					Pro
					Cys

Gly	Ala	Trp	Val	Trp	Glu
	50				Asn
					Gln
					Val
					Ser
					Trp
					Tyr
					60
					Trp
					Glu
					Lys
					Glu

Thr	Thr	Asp	Leu	Arg	Ile
	65				70
					Lys
					Glu
					Lys
					Leu
					Phe
					75
					Leu
					Glu
					Ala
					Phe
					Lys
					80

Ala	Leu	Gly	Gly	Lys	Gly
				85	Pro
					Tyr
					Thr
					Leu
					Gln
					Gly
					Leu
					Leu
					Gly
					95
					Cys

Glu Leu Ser Pro Asp Asn Thr Ser Val Pro Thr Ala Lys Phe Ala Leu
 100 105 110

Asn Gly Glu Glu Phe Met Asn Phe Asp Leu Lys Gln Gly Thr Trp Gly
 115 120 125

Gly Asp Trp Pro Glu Ala Leu Ala Ile Ser Gln Arg Trp Gln Gln Gln
 130 135 140

Asp Lys Ala Ala Asn Lys Glu Leu Thr Phe Leu Leu Phe Ser Cys Pro
 145 150 155 160

His Arg Leu Arg Glu His Leu Glu Arg Gly Arg Gly Asn Leu Glu Trp
 165 170 175

Lys Glu Pro Pro Ser Met Arg Leu Lys Ala Arg Pro Gly Asn Pro Gly
 180 185 190

Phe Ser Val Leu Thr Cys Ser Ala Phe Ser Phe Tyr Pro Pro Glu Leu
 195 200 205

Gln Leu Arg Phe Leu Arg Asn Gly Met Ala Ala Gly Thr Gly Gln Gly
 210 215 220

Asp Phe Gly Pro Asn Ser Asp Gly Ser Phe His Ala Ser Ser Ser Leu
 225 230 235 240

Thr Val Lys Ser Gly Asp Glu His His Tyr Cys Cys Ile Val Gln His
 245 250 255

Ala Gly Leu Ala Gln Pro Leu Arg Val Glu Leu Glu Thr Pro Ala Lys
 260 265 270

Ser Ser Val Leu Val Val Gly Ile Val Ile Gly Val Leu Leu Leu Thr
 275 280 285

Ala Ala Ala Val Gly Gly Ala Leu Leu Trp Arg Arg Met Arg Ser Gly
 290 295 300

Leu Pro Ala Pro Trp Ile Ser Leu Arg Gly Asp Asp Thr Gly Ser Leu
 305 310 315 320

Leu Pro Thr Pro Gly Glu Ala Gln Asp Ala Asp Ser Lys Asp Ile Asn
 325 330 335

Val Ile Pro Ala Thr Ala
340

<210> 72
<211> 342
<212> PRT
<213> Cynomolgus

<220>
<221> MISC_FEATURE
<222> (1)..(342)
<223> FcgammaRn alpha-chain (N3)

<400> 72

Ala Glu Asn His Leu Ser Leu Leu Tyr His Leu Thr Ala Val Ser Ser
1 5 10 15

Pro Ala Pro Gly Thr Pro Ala Phe Trp Val Ser Gly Trp Leu Gly Pro
20 25 30

Gln Gln Tyr Leu Ser Tyr Asp Ser Leu Arg Gly Gln Ala Glu Pro Cys
35 40 45

Gly Ala Trp Val Trp Glu Asn Gln Val Ser Trp Tyr Trp Glu Lys Glu
50 55 60

Thr Thr Asp Leu Arg Ile Lys Glu Lys Leu Phe Leu Glu Ala Phe Lys
65 70 75 80

Ala Leu Gly Gly Lys Gly Pro Tyr Thr Leu Gln Gly Leu Leu Gly Cys
85 90 95

Glu Leu Ser Pro Asp Asn Thr Ser Val Pro Thr Ala Lys Phe Ala Leu
100 105 110

Asn Gly Glu Glu Phe Met Asn Phe Asp Leu Lys Gln Gly Thr Trp Gly
115 120 125

Gly Asp Trp Pro Glu Ala Leu Ala Ile Ser Gln Arg Trp Gln Gln Gln
130 135 140

Asp Lys Ala Ala Asn Lys Glu Leu Thr Phe Leu Leu Phe Ser Cys Pro
145 150 155 160

His Arg Leu Arg Glu His Leu Glu Arg Gly Arg Gly Asn Leu Glu Trp
165 170 175

Lys Glu Pro Pro Ser Met Arg Leu Lys Ala Arg Pro Gly Asn Pro Gly
180 185 190

Phe Ser Val Leu Thr Cys Ser Ala Phe Ser Phe Tyr Pro Pro Glu Leu
195 200 205

Gln Leu Arg Phe Leu Arg Asn Gly Met Ala Ala Gly Thr Gly Gln Gly
210 215 220

Asp Phe Gly Pro Asn Ser Asp Gly Ser Phe His Ala Ser Ser Ser Leu
225 230 235 240

Thr Val Lys Ser Gly Asp Glu His His Tyr Cys Cys Ile Val Gln His
245 250 255

Ala Gly Leu Ala Gln Pro Leu Arg Val Glu Leu Glu Thr Pro Ala Lys
260 265 270

Ser Ser Val Leu Val Val Gly Ile Val Ile Gly Val Leu Leu Leu Thr
275 280 285

Ala Ala Ala Val Gly Gly Ala Leu Leu Trp Arg Arg Met Arg Ser Gly
290 295 300

Leu Pro Ala Pro Trp Ile Ser Leu Arg Gly Asp Asp Thr Gly Ser Leu
305 310 315 320

Leu Pro Thr Pro Gly Glu Ala Gln Asp Ala Asp Ser Lys Asp Ile Asn
325 330 335

Val Ile Pro Ala Thr Ala
340